

## **Dr. Kathy-Anne Brickman Soderberg**

Dr. Kathy-Anne Brickman Soderberg is a Principal Research Scientist at the Air Force Research Laboratory (AFRL) Information Directorate in Rome, NY. Dr. Soderberg is the primary investigator and group leader for AFRL's Trapped-Ion Quantum Networking group. Dr. Soderberg received a B.S. in physics from the College of William and Mary, a M.S. and Ph.D. in physics from the University of Michigan, and was a postdoctoral researcher at the University of Chicago. Dr. Soderberg has over fifteen years of technical experience in atomic physics and quantum information processing. Her graduate work focused on trapped-ion quantum computing research and included key demonstrations of phonon-mediated entangling gates and proof-of-principle quantum algorithms. Her postdoctoral work focused on novel neutral-atom quantum computing and the difficulties associated with targeted atomic interactions and optical lattice translation and control. Before joining AFRL, Dr. Soderberg was a technical consultant for quantum information sciences.